



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/889,459	07/16/2001	Masashi Nakamura	450106-02850	4050
20999	7590	11/18/2005		
FROMMER LAWRENCE & HAUG 745 FIFTH AVENUE- 10TH FL. NEW YORK, NY 10151			EXAMINER KENDALL, CHUCK O	
			ART UNIT 2192	PAPER NUMBER
DATE MAILED: 11/18/2005				

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/889,459

Applicant(s)

NAKAMURA ET AL.

Examiner

Chuck O. Kendall

Art Unit

2192

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 15 January 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>10/17/05, & 07/30/02</u> . | 6) <input type="checkbox"/> Other: _____ |

Detailed Action

1. This action is in response to the application filed 07/16/01.
2. Claims 1 – 12 are pending.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

4. Claims 1 – 12 are rejected under 35 U.S.C. 102(e) as being anticipated by Killian et al. USPN. 6,760,888 (hereinafter "Killian").

Regarding claims 1 & 5, Killian anticipates a digital signal processing apparatus, comprising:

a plurality of digital signal processing blocks and a host arithmetic operation processing block as functions necessary for processing a digital signal (FIG. 2, 66, see ALU);

a bus for connecting said host arithmetic operation processing block and said plurality of digital signal processing blocks (FIG 10, see Bus A, and Bus B); and

an interface for an extension function providing medium connected to said bus, wherein the extension function providing medium has: means for accomplishing an extension function (4:47 – 60, see custom interface and instruction set extensions); and

a script embedding a command for operating the extension function, and wherein when the extension function providing medium is attached to said bus through said interface, the script is sent to said host arithmetic operation processing block side and a function of the extension function providing medium is operated corresponding to the command embedded in the script (23:50 – 52, see scripts).

Regarding claims 2 & 6, the digital signal processing apparatus as set forth in claim 1, wherein each of said plurality of digital signal processing blocks includes means for interpreting a command received through said bus and executing the command (8:32 – 34, see interpret).

Regarding claims 3 & 7, the digital signal processing apparatus as set forth in claim 1, wherein the command is a high layer command that does not depend on hardware and that is not on real time basis (10:15 – 20).

Regarding claims 4 & 8, the digital signal processing apparatus as set forth in claim 1, wherein the command is described and embedded in a script of hypertext, wherein the hypertext is interpreted by a browser and a picture for operating the extension function is displayed, and wherein a command corresponding to the function is embedded and displayed in the picture for operating the extension function (10:60 – 67).

Regarding claim 9, which is the method version of claim 1, see rationale above as previously discussed, regarding method see (97:1 – 98:30).

Regarding claim 10, which is the method version of claim 2, see rationale above as previously discussed, regarding method see (97:1 – 98:30).

Regarding claim 11, which is the method version of claim 3, see rationale above as previously discussed, regarding method see (97:1 – 98:30).

Regarding claim 12, which is the method version of claim 4, see rationale above as previously discussed, regarding method see (97:1 – 98:30).

Correspondence information

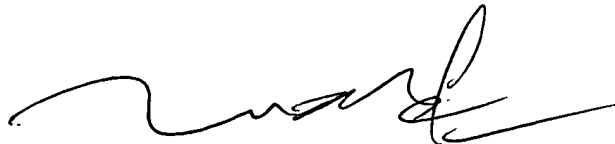
5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chuck Kendall whose telephone number is 571-272-3698. The examiner can normally be reached on 10:00 am - 6:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tuan Dam can be reached on 571-272-3695. The fax phone number for the organization where this application or proceeding is assigned is **571-273-8300**.

Art Unit: 2192

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ck.

A handwritten signature in black ink, appearing to read 'Tuan Dam', with a stylized flourish at the end.

TUAN DAM
SUPERVISORY PATENT EXAMINER